Feng Xiao

List of Publications by Year
in descending order

156 papers	4,581 citations

101496

36 h-index

114418

63 g-index

162 all docs	162 docs citations

162 times ranked

1620 citing authors

#	Article	IF	Citations
1	Multivariable neural network to postprocess short‐term, hub‐height wind forecasts. Energy Science and Engineering, 2022, 10, 2561-2575.	1.9	7
2	Symmetry-preserving enforcement of low-dissipation method based on boundary variation diminishing principle. Computers and Fluids, 2022, 233, 105227.	1.3	8
3	A novel high-order low-dissipation TENO-THINC scheme for hyperbolic conservation laws. Journal of Computational Physics, 2022, 452, 110899.	1.9	19
4	An Adaptive Nonhydrostatic Atmospheric Dynamical Core Using a Multi-Moment Constrained Finite Volume Method. Advances in Atmospheric Sciences, 2022, 39, 487-501.	1.9	1
5	Deep generative model for probabilistic wind speed and wind power estimation at a wind farm. Energy Science and Engineering, 2022, 10, 1855-1873.	1.9	5
6	Revisit to the THINC/QQ scheme: Recent progress to improve accuracy and robustness. International Journal for Numerical Methods in Fluids, 2022, 94, 719-755.	0.9	4
7	Compact multi-stage reconstruction method on polyhedral unstructured grids: Extension to higher-order finite volume scheme. Computers and Fluids, 2022, 240, 105436.	1.3	0
8	A new 3D OpenFoam solver with improved resolution for hyperbolic systems on hybrid unstructured grids. Applied Mathematical Modelling, 2022, 108, 142-166.	2.2	1
9	A high-fidelity solver based on hybrid numerical methods on unstructured grids for incompressible multiphase flows. Journal of Computational Physics, 2022, , 111299.	1.9	0
10	Self-adjusting steepness-based schemes that preserve discontinuous structures in compressible flows. Journal of Computational Physics, 2022, 463, 111268.	1.9	8
11	A new paradigm of dissipation-adjustable, multi-scale resolving schemes for compressible flows. Journal of Computational Physics, 2022, 466, 111287.	1.9	8
12	A fifth-order low-dissipation discontinuity-resolving TENO scheme for compressible flow simulation. Journal of Computational Physics, 2022, 467, 111465.	1.9	18
13	Boundary variation diminishing algorithm for high‐order local polynomial‐based schemes. International Journal for Numerical Methods in Fluids, 2021, 93, 892-907.	0.9	2
14	Arbitrary high-order non-oscillatory scheme on hybrid unstructured grids based on multi-moment finite volume method. Journal of Computational Physics, 2021, 424, 109841.	1.9	2
15	Shock Capturing Scheme Using β-Variable THINC Scheme Based on BVD Principle. Journal of the Japan Society for Aeronautical and Space Sciences, 2021, 69, 113-121.	0.0	0
16	A nonnegative and shape‐preserving global transport model on cubed sphere using high‐order conservative collocation scheme. International Journal for Numerical Methods in Fluids, 2021, 93, 1969-1992.	0.9	0
17	Interpreting dynamics of snap-off in a constricted capillary from the energy dissipation principle. Physics of Fluids, 2021, 33, .	1.6	10
18	Low-dissipation BVD schemes for single and multi-phase compressible flows on unstructured grids. Journal of Computational Physics, 2021, 428, 110088.	1.9	17

#	ARTICLE	IF	CITATIONS
19	Pore-scale Simulations of Haines Jump and Capillary Filling in Randomly Distributed Pore Structures with Implications for CO_2 Geological Storage. Journal of MMIJ, 2021, 137, 56-62.	0.4	0
20	Hybrid Discontinuous Galerkin/Finite Volume Method with Subcell Resolution for Shocked Flows. AIAA Journal, 2021, 59, 2027-2044.	1.5	2
21	A Positivity-preserving Conservative Semi-Lagrangian Multi-moment Global Transport Model on the Cubed Sphere. Advances in Atmospheric Sciences, 2021, 38, 1460-1473.	1.9	4
22	THINC scaling method that bridges VOF and level set schemes. Journal of Computational Physics, 2021, 436, 110323.	1.9	16
23	A note on non‐negativity correction for a multimoment finite‐volume transport model with WENO limiter. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 546-556.	1.0	4
24	Implicit large eddy simulation of compressible turbulence flow with $P_n T_m - BVD$.	2.1	18
25	A conservative solver for surface-tension-driven multiphase flows on collocated unstructured grids. Journal of Computational Physics, 2020, 401, 109025.	1.9	8
26	Solution property preserving reconstruction for finite volume scheme: a boundary variation diminishing+multidimensional optimal order detection framework. International Journal for Numerical Methods in Fluids, 2020, 92, 603-634.	0.9	8
27	Design of Hybrid Reconstruction Scheme for Compressible Flow Using Data-Driven Methods. Journal of Mechanics, 2020, 36, 675-689.	0.7	1
28	Solution property preserving reconstruction BVD+MOOD scheme for compressible euler equations with source terms and detonations. Computers and Fluids, 2020, 206, 104594.	1.3	5
29	Constructing higher order discontinuity-capturing schemes with upwind-biased interpolations and boundary variation diminishing algorithm. Computers and Fluids, 2020, 200, 104433.	1.3	22
30	A Two-Stage Fourth-Order Multimoment Global Shallow-Water Model on the Cubed Sphere. Monthly Weather Review, 2020, 148, 4267-4279.	0.5	1
31	High resolution multi-moment finite volume method for supersonic combustion on unstructured grids. Applied Mathematical Modelling, 2019, 66, 404-423.	2.2	13
32	A 3D Nonhydrostatic Compressible Atmospheric Dynamic Core by Multi-moment Constrained Finite Volume Method. Advances in Atmospheric Sciences, 2019, 36, 1129-1142.	1.9	3
33	Multi-moment finite volume method for incompressible flows on unstructured moving grids and its application to fluid-rigid body interactions. Computers and Structures, 2019, 221, 91-110.	2.4	8
34	High-order multi-moment finite volume method with smoothness adaptive fitting reconstruction for compressible viscous flow. Journal of Computational Physics, 2019, 394, 559-593.	1.9	9
35	Uncertainty Quantification of a Coupled Model for Wind Prediction at a Wind Farm in Japan. Energies, 2019, 12, 1505.	1.6	5
36	A fifth-order shock capturing scheme with two-stage boundary variation diminishing algorithm. Journal of Computational Physics, 2019, 386, 323-349.	1.9	45

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37	A new formulation for two-wave Riemann solver accurate at contact interfaces. Physics of Fluids, 2019, 31, .	1.6	30
38	Uncertainty quantification of shock–bubble interaction simulations. Shock Waves, 2019, 29, 1191-1204.	1.0	2
39	A Novel Hybrid Model of WRF and Clearness Index-Based Kalman Filter for Day-Ahead Solar Radiation Forecasting. Applied Sciences (Switzerland), 2019, 9, 3967.	1.3	13
40	LES of primary breakup of pulsed liquid jet in supersonic crossflow. Acta Astronautica, 2019, 154, 119-132.	1.7	23
41	Development of a less-dissipative hybrid AUSMD scheme for multi-component flow simulations. Shock Waves, 2019, 29, 691-704.	1.0	6
42	High fidelity discontinuity-resolving reconstruction for compressible multiphase flows with moving interfaces. Journal of Computational Physics, 2018, 371, 945-966.	1.9	80
43	An ALE formulation for compressible flows based on multi-moment finite volume method. Engineering Applications of Computational Fluid Mechanics, 2018, 12, 791-809.	1.5	2
44	Limiter-free discontinuity-capturing scheme for compressible gas dynamics with reactive fronts. Computers and Fluids, 2018, 171, 1-14.	1.3	51
45	A non-oscillatory multimoment finite-volume global transport model on a cubed-sphere grid using the WENO slope limiter. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 1611-1627.	1.0	6
46	Coupled THINC and level set method: A conservative interface capturing scheme with high-order surface representations. Journal of Computational Physics, 2018, 373, 284-303.	1.9	36
47	New Accurate and Efficient Method for Stiff Detonation Capturing. AIAA Journal, 2018, 56, 4024-4038.	1.5	8
48	A Direct ALE Multi-Moment Finite Volume Scheme for the Compressible Euler Equations. Communications in Computational Physics, 2018, 24, .	0.7	5
49	A semi-Lagrangian multi-moment finite volume method with fourth-order WENO projection. International Journal for Numerical Methods in Fluids, 2017, 83, 351-375.	0.9	8
50	Development of a hybrid parallel MCV-based high-order global shallow-water model. Journal of Supercomputing, 2017, 73, 2823-2842.	2.4	5
51	Simulation of drop deformation and breakup in supersonic flow. Proceedings of the Combustion Institute, 2017, 36, 2417-2424.	2.4	23
52	A hybrid pressure–density-based Mach uniform algorithm for 2D Euler equations on unstructured grids by using multi-moment finite volume method. Journal of Computational Physics, 2017, 335, 637-663.	1.9	27
53	Effects of Mach number on primary breakup of liquid jets in gas crossflow. , 2017, , .		0
54	A finite volume multi-moment method with boundary variation diminishing principle for Euler equation on three-dimensional hybrid unstructured grids. Computers and Fluids, 2017, 153, 85-101.	1.3	18

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55	Multimoment Finite Volume Solver for Euler Equations on Unstructured Grids. AIAA Journal, 2017, 55, 2617-2629.	1.5	12
56	Accurate and robust PISO algorithm on hybrid unstructured grids using the multimoment finite volume method. Numerical Heat Transfer, Part B: Fundamentals, 2017, 71, 146-172.	0.6	17
57	A Non-oscillatory Multi-Moment Finite Volume Scheme with Boundary Gradient Switching. Journal of Scientific Computing, 2017, 72, 1146-1168.	1.1	4
58	Toward efficient and accurate interface capturing on arbitrary hybrid unstructured grids: The THINC method with quadratic surface representation and Gaussian quadrature. Journal of Computational Physics, 2017, 349, 415-440.	1.9	64
59	An LES Turbulent Inflow Generator using A Recycling and Rescaling Method. Flow, Turbulence and Combustion, 2017, 98, 663-695.	1.4	13
60	An unstructured-grid numerical model for interfacial multiphase fluids based on multi-moment finite volume formulation and THINC method. International Journal of Multiphase Flow, 2017, 89, 375-398.	1.6	37
61	An MCV Nonhydrostatic Atmospheric Model with Height-Based Terrain following Coordinate: Tests of Waves over Steep Mountains. Advances in Meteorology, 2016, 2016, 1-12.	0.6	1
62	Simulation of all-scale atmospheric dynamics on unstructured meshes. Journal of Computational Physics, 2016, 322, 267-287.	1.9	19
63	A wind power forecasting system based on the weather research and forecasting model and Kalman filtering over a wind-farm in Japan. Journal of Renewable and Sustainable Energy, 2016, 8, .	0.8	23
64	An integrated wind-forecast system based on the weather research and forecasting model, Kalman filter, and data assimilation with nacelle-wind observation. Journal of Renewable and Sustainable Energy, 2016, 8, .	0.8	9
65	GPU-accelerated large-scale simulations of interfacial multiphase fluids for real-case applications. Computers and Fluids, 2016, 141, 235-249.	1.3	2
66	Boundary Variation Diminishing (BVD) reconstruction: A new approach to improve Godunov schemes. Journal of Computational Physics, 2016, 322, 309-325.	1.9	87
67	A multi-moment constrained finite volume method on arbitrary unstructured grids for incompressible flows. Journal of Computational Physics, 2016, 327, 747-778.	1.9	34
68	The Multi-Moment Finite Volume Solver for Incompressible Navier-Stokes Equations on Unstructured Grids. Modeling and Simulation in Science, Engineering and Technology, 2016, , 97-109.	0.4	0
69	A robust interface method for drop formation and breakup simulation at high density ratio using an extrapolated liquid velocity. Computers and Fluids, 2016, 136, 402-420.	1.3	23
70	Large eddy simulation of liquid jet primary breakup in supersonic air crossflow. International Journal of Multiphase Flow, 2016, 87, 229-240.	1.6	62
71	A Slope Constrained 4th Order Multi-Moment Finite Volume Method with WENO Limiter. Communications in Computational Physics, 2015, 18, 901-930.	0.7	13
72	A high-order multi-moment constrained finite-volume global shallow-water model on the Yin-Yang grid. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 2090-2102.	1.0	9

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73	A high-order conservative collocation scheme and its application to global shallow-water equations. Geoscientific Model Development, 2015, 8, 221-233.	1.3	5
74	Fifth Order Multi-moment WENO Schemes for Hyperbolic Conservation Laws. Journal of Scientific Computing, 2015, 64, 477-507.	1.1	7
75	A WENO-type Limiter for 4th Order Constrained Derivative Flux Reconstruction Method. , 2015, , .		0
76	Global shallow water models based on multi-moment constrained finite volume method and three quasi-uniform spherical grids. Journal of Computational Physics, 2014, 271, 191-223.	1.9	27
77	Frontiers in Computational Physics: Modeling the Earth System. Journal of Computational Physics, 2014, 271, 1.	1.9	2
78	A global shallowâ€water model on an icosahedralâ€"hexagonal grid by a multiâ€moment constrained finiteâ€volume scheme. Quarterly Journal of the Royal Meteorological Society, 2014, 140, 639-650.	1.0	12
79	An interface capturing method with a continuous function: The THINC method on unstructured triangular and tetrahedral meshes. Journal of Computational Physics, 2014, 259, 260-269.	1.9	46
80	LES of turbulent liquid jet primary breakup in turbulent coaxial air flow. International Journal of Multiphase Flow, 2014, 60, 103-118.	1.6	87
81	An efficient and accurate algebraic interface capturing method for unstructured grids in 2 and 3 dimensions: The THINC method with quadratic surface representation. International Journal for Numerical Methods in Fluids, 2014, 76, 1025-1042.	0.9	49
82	A multi-moment finite volume method for incompressible Navierâ€"Stokes equations on unstructured grids: Volume-average/point-value formulation. Journal of Computational Physics, 2014, 277, 138-162.	1.9	53
83	Two and three dimensional multi-moment finite volume solver for incompressible Navierâ€"Stokes equations on unstructured grids with arbitrary quadrilateral and hexahedral elements. Computers and Fluids, 2014, 104, 40-54.	1.3	27
84	An Eulerian interface sharpening algorithm for compressible two-phase flow: The algebraic THINC approach. Journal of Computational Physics, 2014, 268, 326-354.	1.9	101
85	A note on the general multi-moment constrained flux reconstruction formulation for high order schemes. Applied Mathematical Modelling, 2013, 37, 5092-5108.	2.2	13
86	An accurate multimoment constrained finite volume transport model on Yin-Yang grids. Advances in Atmospheric Sciences, 2013, 30, 1320-1330.	1.9	10
87	Simulation and mitigation of the magneto-Rayleigh-Taylor instabilities in Z-pinch gas discharge extreme ultraviolet plasma radiation sources. Physics of Plasmas, 2013, 20, .	0.7	7
88	A 3D Numerical Model for Free Interfacial Flows and Applications to Offshore Waves with Submerged Obstacles. Applied Mechanics and Materials, 2013, 444-445, 544-548.	0.2	0
89	A Multimoment Constrained Finite-Volume Model for Nonhydrostatic Atmospheric Dynamics. Monthly Weather Review, 2013, 141, 1216-1240.	0.5	23
90	Fourth order transport model on Yin-Yang grid by multi-moment constrained ï¬nite volume scheme. Procedia Computer Science, 2012, 9, 1004-1013.	1.2	6

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91	An interface capturing method with a continuous function: The THINC method with multi-dimensional reconstruction. Journal of Computational Physics, 2012, 231, 2328-2358.	1.9	124
92	Revisit to the THINC scheme: A simple algebraic VOF algorithm. Journal of Computational Physics, 2011, 230, 7086-7092.	1.9	177
93	A multiâ€moment transport model on cubedâ€sphere grid. International Journal for Numerical Methods in Fluids, 2011, 67, 1993-2014.	0.9	9
94	Global advection transport model on hexagonal-pentagonal geodesic grid by multi-moment scheme. Procedia Computer Science, 2011, 4, 2327-2336.	1.2	1
95	An Adaptive Multimoment Global Model on a Cubed Sphere. Monthly Weather Review, 2011, 139, 523-548.	0.5	22
96	A Global Multimoment Constrained Finite-Volume Scheme for Advection Transport on the Hexagonal Geodesic Grid. Monthly Weather Review, 2011, 140, 941-955.	0.5	17
97	Multiphase Fluid Simulations on a Multiple GPGPU PC Using Unsplit Time Integration VSIAM3. Progress in Nuclear Science and Technology, 2011, 2, 491-497.	0.3	3
98	Application of the characteristic CIP method to a shallow water model on the sphere. Advances in Atmospheric Sciences, 2010, 27, 728-740.	1.9	1
99	A global shallow water model using high order multi-moment constrained finite volume method and icosahedral grid. Journal of Computational Physics, 2010, 229, 1774-1796.	1.9	44
100	A multi-moment finite volume formulation for shallow water equations on unstructured mesh. Journal of Computational Physics, 2010, 229, 4567-4590.	1.9	22
101	High order multi-moment constrained finite volume method. Part I: Basic formulation. Journal of Computational Physics, 2009, 228, 3669-3707.	1.9	57
102	Shallow water model on cubed-sphere by multi-moment finite volume method. Journal of Computational Physics, 2008, 227, 5019-5044.	1.9	94
103	A CIP/multiâ€moment finite volume method for shallow water equations with source terms. International Journal for Numerical Methods in Fluids, 2008, 56, 2245-2270.	0.9	23
104	Large scale numerical simulations for multi-phase fluid dynamics with moving interfaces. International Journal of Computational Fluid Dynamics, 2008, 22, 405-410.	0.5	6
105	A Multimoment Finite-Volume Shallow-Water Model on the Yinâ€"Yang Overset Spherical Grid. Monthly Weather Review, 2008, 136, 3066-3086.	0.5	42
106	CIP/multi-moment finite volume method for Euler equations: A semi-Lagrangian characteristic formulation. Journal of Computational Physics, 2007, 222, 849-871.	1.9	52
107	A Global Shallow Water Model on the Spherical-Cubic Grid by using CIP/Multi-Moment FVM. , 2007, , 252-252.		0
108	A Finite-Volume Grid Using Multimoments for Geostrophic Adjustment. Monthly Weather Review, 2006, 134, 2515-2526.	0.5	13

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109	Unified formulation for compressible and incompressible flows by using multi-integrated moments II: Multi-dimensional version for compressible and incompressible flows. Journal of Computational Physics, 2006, 213, 31-56.	1.9	94
110	Conservative constraint for a quasi-uniform overset grid on the sphere. Quarterly Journal of the Royal Meteorological Society, 2006, 132, 979-996.	1.0	38
111	Implementation of the semi-Lagrangian advection scheme on a quasi-uniform overset grid on a sphere. Advances in Atmospheric Sciences, 2006, 23, 792-801.	1.9	15
112	Conservative Semi-Lagrangian Transport on a Sphere and the Impact on Vapor Advection in an Atmospheric General Circulation Model. Monthly Weather Review, 2005, 133, 504-520.	0.5	16
113	Three-dimensional numerical simulation of flows with complex geometries in a regular Cartesian grid and its application to blood flow in cerebral artery with multiple aneurysms. Journal of Computational Physics, 2005, 202, 1-19.	1.9	40
114	Numerical simulations of free-interface fluids by a multi-integrated moment method. Computers and Structures, 2005, 83, 409-423.	2.4	55
115	A 4th-order and single-cell-based advection scheme on unstructured grids using multi-moments. Computer Physics Communications, 2005, 173, 17-33.	3.0	28
116	A simple algebraic interface capturing scheme using hyperbolic tangent function. International Journal for Numerical Methods in Fluids, 2005, 48, 1023-1040.	0.9	337
117	Unified formulation for compressible and incompressible flows by using multi-integrated moments I: one-dimensional inviscid compressible flow. Journal of Computational Physics, 2004, 195, 629-654.	1.9	91
118	A convexity preserving scheme for conservative advection transport. Journal of Computational Physics, 2004, 198, 389-402.	1.9	22
119	A New Paradigm of Computer Graphics by Universal Solver for Solid, Liquid and Gas. JSME International Journal Series B, 2004, 47, 656-663.	0.3	1
120	A Simple CIP Finite Volume Method for Incompressible Flows. JSME International Journal Series B, 2004, 47, 664-671.	0.3	4
121	Conservative CIP Transport in Meteorological Models. JSME International Journal Series B, 2004, 47, 725-734.	0.3	8
122	An efficient method for capturing free boundaries in multi-fluid simulations. International Journal for Numerical Methods in Fluids, 2003, 42, 187-210.	0.9	48
123	Implementation of the CIP as the Advection Solver in the MM5. Monthly Weather Review, 2003, 131, 1256-1271.	0.5	5
124	An Accurate Semi-Lagrangian Scheme for Raindrop Sedimentation. Monthly Weather Review, 2003, 131, 974-983.	0.5	9
125	Profile-modifiable Conservative Transport Schemes and a Simple Multi-integrated Moment Formulation for Hydrodynamics. , 2003, , 106-111.		5
126	118 Multi-phase fluid simulations by multi integrated moment formulation based on CIP-CSL Type Schemes. The Proceedings of the JSME Annual Meeting, 2003, 2003.1, 1-2.	0.0	0

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127	Conservative and oscillation-less atmospheric transport schemes based on rational functions. Journal of Geophysical Research, 2002, 107, ACL 2-1.	3.3	80
128	Mechanism of structure formation in circular hydraulic jumps: numerical studies of strongly deformed free-surface shallow flows. Physica D: Nonlinear Phenomena, 2002, 161, 202-219.	1.3	34
129	Development of Conservative Front-Capturing Scheme and Applications to Multi-fluid Simulations. The Proceedings of the JSME Annual Meeting, 2002, 2002.3, 301-302.	0.0	5
130	454 Simple Multi-integrated Moment Formulation for Hydrodynamics based on CIP-CSL Type Schemes. The Proceedings of the Computational Mechanics Conference, 2002, 2002.15, 447-448.	0.0	0
131	The Constrained Interpolation Profile Method for Multiphase Analysis. Journal of Computational Physics, 2001, 169, 556-593.	1.9	646
132	Completely Conservative and Oscillationless Semi-Lagrangian Schemes for Advection Transportation. Journal of Computational Physics, 2001, 170, 498-522.	1.9	106
133	Implementations of multi-fluid hydrodynamic simulations on distributed memory computer with a fully parallelizable preconditioned Bi-CGSTAB method. Computer Physics Communications, 2001, 137, 274-285.	3.0	6
134	An Exactly Conservative Semi-Lagrangian Scheme (CIPâ€"CSL) in One Dimension. Monthly Weather Review, 2001, 129, 332-344.	0.5	158
135	F02-4 Direct Computation of Moving Interface with Anti-diffusion scheme. The Proceedings of the Computational Mechanics Conference, 2001, 2001.14, 689-690.	0.0	0
136	A Class of Single-Cell High-Order Semi-Lagrangian Advection Schemes. Monthly Weather Review, 2000, 128, 1165-1176.	0.5	11
137	Relationships between a roller and a dynamic pressure distribution in circular hydraulic jumps. Physical Review E, 2000, 61, R1016-R1019.	0.8	16
138	Multi-phase hydrodynamic simulations on parallel computer. Lecture Notes in Computer Science, 1999, , 157-168.	1.0	0
139	A numerical study of the transition in the circular hydraulic jump. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 257, 153-157.	0.9	20
140	An oscillation suppressing semi-Lagrangian solver for advection equation. Computer Physics Communications, 1999, 116, 121-135.	3.0	4
141	A Computational Model for Suspended Large Rigid Bodies in 3D Unsteady Viscous Flows. Journal of Computational Physics, 1999, 155, 348-379.	1.9	52
142	A computational model for incompressible flow including surface tension. Communications in Numerical Methods in Engineering, 1999, 15, 887-894.	1.3	1
143	Strategy for unified solution of solid, liquid, gas and plasmas. , 1999, , .		1
144	An efficient numerical model for multi-phase fluid dynamics. Advances in Engineering Software, 1998, 29, 345-352.	1.8	2

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145	A numerical procedure â€" CIP â€" to solve all phases of matter together. , 1998, , 439-457.		6
146	An algorithm for simulating solid objects suspended in stratified flow. Computer Physics Communications, 1997, 102, 147-160.	3.0	56
147	Constructing oscillation preventing scheme for advection equation by rational function. Computer Physics Communications, 1996, 93, 1-12.	3.0	100
148	Constructing a multi-dimensional oscillation preventing scheme for the advection equation by a rational function. Computer Physics Communications, 1996, 94, 103-118.	3.0	42
149	Description of complex and sharp interface with fixed grids in incompressible and compressible fluid. Computers and Mathematics With Applications, 1995, 29, 15-25.	1.4	21
150	Simulation technique for dynamic evaporation processes. Nuclear Engineering and Design, 1995, 155, 45-53.	0.8	37
151	Possible explanation of the secondary flash and strong flare on IR lightcurves upon impact of Shoemaker-Levy 9. Geophysical Research Letters, 1995, 22, 2429-2432.	1.5	12
152	A method to trace sharp interface of two fluids in calculations involving shocks. Shock Waves, 1994, 4, 101-107.	1.0	11
153	Effect of EOS on Break-Up of Shoemaker-Levy 9 Entering Jovian Atmosphere.. Journal of Geomagnetism and Geoelectricity, 1994, 46, 657-662.	0.8	14
154	Description of Complex and Sharp Interface during Shock Wave Interaction with Liquid Drop. Journal of the Physical Society of Japan, 1993, 62, 2537-2540.	0.7	80
155	A Robust and Practical Multi-Moment Finite Volume Model for Computational Fluid Dynamics. Applied Mechanics and Materials, 0, 444-445, 534-538.	0.2	0
156	A hybrid volume of fluid and level set interface capturing scheme with quartic surface representation for unstructured meshes. International Journal for Numerical Methods in Fluids, 0, , .	0.9	3